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Please amend the claims as follows (this listing replaces all prior listings):

1. (currently amended) A method for manufacturing hot rolled steel sheets comprising the steps of:

passing molten steel through a continuous caster having a mold after having been poured into a ladle and a tundish to manufacture a slab;

cutting the slab to predetermined lengths using a cutter to form a plurality of cut slabs; heating the cut slabs to a predetermined temperature 1000°C or above to form MnS precipitation on the cut slabs in a first heating furnace;

width rolling the cut slabs by using a width roller;

descaling the cut slabs heated in the first heating furnace;

rolling the slabs in a reduction unit to a predetermined thickness to form a plurality of flat bars;

heating the flat bars to a predetermined temperature in a second heating furnace; coiling the flat bars by a coiling station while the flat bars are maintained in a heated

uncoiling the flat bars by an uncoiler; and rolling the flat bars to a predetermined thickness in a finishing mill.

2. (cancelled)

state;

- 3. (currently amended) The method of claim 1 wherein the slabs are heated to a temperature between 1000 and 1200°C for 5-6 minutes by the first heating furnace.
 - 4. (cancelled)
- 5. (currently amended) The method as in any one of 1-3 claims 1 or 3 wherein the slabs being rolled in the reduction unit are maintained to a temperature between 800 and 1000°C

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at an output of the reduction unit.

6. (previously presented) The method of claim 1 wherein the slabs being rolled in the reduction unit are maintained to a temperature between 800 and 1000° C at an output of the

reduction unit.

7. (currently amended) The method as in any one of 1-3 claims 1 or 3 wherein the

slabs casted in the continuous caster undergo liquid core reduction.

8. (cancelled)

9. (original) The method of claim 5 wherein the slabs casted in the continuous caster

undergo liquid core reduction.

10. (original) The method of claim 6 wherein the slabs casted in the continuous caster

undergo liquid core reduction.

11. (original) The method of claim 7 wherein a thickness of the slabs casted in the

continuous caster is 100mm, and the slabs undergo liquid core reduction to a thickness of 80mm.

12. (currently amended) The method as in any one of 8-10 claims 9 or 10 wherein a

thickness of the slabs casted in the continuous caster is 100mm, and the slabs undergo liquid core

reduction to a thickness of 80mm.

13. (withdrawn) A method for manufacturing hot rolled steel sheets comprising the

steps of:

passing molten steel through a continuous caster having a first cutter to form a plurality

of cut slabs;

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heating the cut slabs to a first predetermined temperature in a first heating furnace; width rolling the cut slabs by using a width roller;

descaling the cut slabs heated in the first heating furnace;

rolling the slabs in a reduction unit to a predetermined thickness to form a plurality of flat bars;

heating the flat bars to a second predetermined temperate [of a second rolling] in a second heating furnace;

coiling the flat bars by a coiling station while the flat bars are maintained in a heated state;

uncoiling the plurality of flat bars by uncoilers; and

rolling the flat bars to a predetermined thickness in a finishing mill, in a reversible manner, while a rear end of a flat bar undergoing rolling is joined to a front end of another flat bar waiting to be rolled such that the flat bars can be continuously rolled; and

cutting the flat bars to a predetermined length by a third cutter.

- 14. (withdrawn) The method of claim 13 wherein the slabs are heated to a temperature 1000°C and above by the first heating furnace.
- 15. (withdrawn) The method of claim 14 wherein the slabs are heated to a temperature between 1000 and 1200°C for 5-6 minutes by the first heating furnace.
 - 16. (cancelled)
- 17. (withdrawn) The method as in any one of claims 13-15 wherein the slabs being rolled in the reduction unit are maintained to a temperature between 800 and 1000°C at an output of the reduction unit.
 - 18. (withdrawn) The method of claim 13 wherein the slabs being rolled in the

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reduction unit are maintained to a temperature between 800 and 1000° C at an output of the reduction unit.

19. (withdrawn) The method as in any one of claims 13-1 5 wherein the slabs casted in the continuous caster undergo liquid core reduction.

20. (cancelled)

- 21. (withdrawn) The method of claim 17 wherein the slabs casted in the continuous caster undergo liquid core reduction,
- 22. (withdrawn) The method of claim 18 wherein the slabs casted in the continuous caster undergo liquid core reduction.
- 23. (withdrawn) The method of claim 19 wherein a thickness of the slabs casted in the continuous caster is 100mm, and the slabs undergo liquid core reduction to a thickness of 80mm.
- 24. (withdrawn) The method as in any one of claims 20-22 wherein a thickness of the slabs casted in the continuous caster is 100mm, and the slabs undergo liquid core reduction to a thickness of 80mm.